

- Need to search for keys is removed. Doors unlock automatically (unless confirmation is required).
- There is no key chain weighing down a user's pockets, nor a need to remember which key is which. One key opens all doors (as long as they have compatible locks).
- There is no need to have a key hidden somewhere. For example, if a user is already on the road when he realizes someone should water his plants, he can send a ticket to his friend that is valid until the end of his trip. If he sets the ticket's max derivation level to higher than zero, his friend can in his turn delegate the responsibility to someone else and create a derivative ticket for that person.
- If a user is stuck in traffic, and his friends are coming to visit, he can send them a one-time ticket.
- Moving is simplified. The key data and Lock ID from the old lock are copied to the controller, the new lock is cleared, and the data from the old lock is copied to it.
- Keys for friends and relatives can be created instantly and for free, and their access can be limited to reasonable hours.
- A temporary ticket can be sent via Internet to allow an Internet store to deliver goods when you are not at home. The ticket might open your home door, but more likely a separate delivery area. Since the ticket is temporary (and/or one-time), it cannot be used by the store employee later to open the lock when inside would be deliveries from another store. If there is a separate delivery area, there is no need to trust the store.

- \_ If a car's ignition lock is replaced with an LD, car sellers can give limited-time tickets when you take a car for a test drive.
- \_ By installing LDs that control access to movie theaters, busses, etc., electronic tickets in KDs can be used instead of traditional paper tickets. Of course, KD public keys could be stored on the LDs as well, but tickets are easier to create.
- \_ By installing LDs that control access to computers, computer terminals, peripheral devices and/or to similar devices, etc . KDs can be used for gaining access and/or use to these and through these devices also access to databases and/or to data files stored therein and/or accessed through these. The use of tickets as described above can also be applied for accessing databases and/or data files as well as for accessing the computers and computer terminals.

Note, that passwords and similar traditional computer security constructs can be used to link the lock device to legacy systems. The lock device would then know the password(s), and would use it to give access to users who have authenticated themselves using a key device. The password would not ever be seen by the user.

Numerous additional modifications and variations of the present invention are possible in light of the above teachings. It is therefore to be understood within the scope of the appended claims, the invention may be practiced otherwise than as specifically described herein.